

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL & GAS ONSHORE LP**

3A. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **NESW 1677'FSL, 2110'FWL 626537X 39.901255**  
At proposed prod. Zone **4417636Y - 109.519797**

14. Distance in miles and direction from nearest town or post office\*  
**20.4 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)  
**1677'**

16. No. of Acres in lease  
**1640.00**

17. Spacing Unit dedicated to this well  
**40.00**

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.  
**REFER TO  
TOPO C**

19. Proposed Depth  
**8810'**

20. BLM/BIA Bond No. on file  
**BOND NO. WYB000291**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**5449'UNGRADED GL**

22. Approximate date work will start\*

23. Estimated duration

10. Field and Pool, or Exploratory  
**NATURAL BUTTES**

11. Sec., T., R., M., or Blk, and Survey or Area  
**SEC. 35, T10S, R21E**

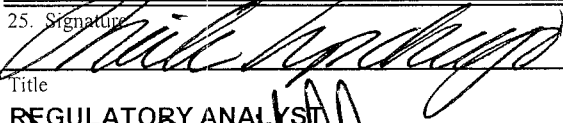
12. County or Parish  
**UINTAH**

13. State  
**UTAH**

24. Attachments

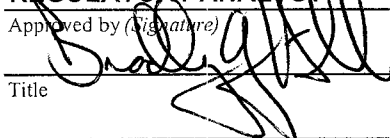
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  
  
Title  
**REGULATORY ANALYST**

Name (Printed/Typed)  
**SHEILA UPCHEGO**

Date  
**1/11/2007**

Approved by (Signature)  
  
Title  
**ENVIRONMENTAL MANAGER**

Name (Printed/Typed)  
**BRADLEY G. HILL**  
Office  
**ENVIRONMENTAL MANAGER**

Date  
**01-31-07**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED  
JAN 16 2007  
DIV. OF OIL, GAS & MINING

T10S, R21E, S.L.B.&M.

1977 Brass Cap,  
0.6' Above 2.0'  
High, Pile of  
Stones

1977 Brass Cap  
0.6 High, Pile  
of Stones

1977 Brass Cap  
Flush With Top  
of Pile of  
Stones

N89°59'04"W - 2679.46' (Meas.)

S89°58'43"E - 2679.89' (Meas.)

Kerr-McGee Oil & Gas Onshore LP

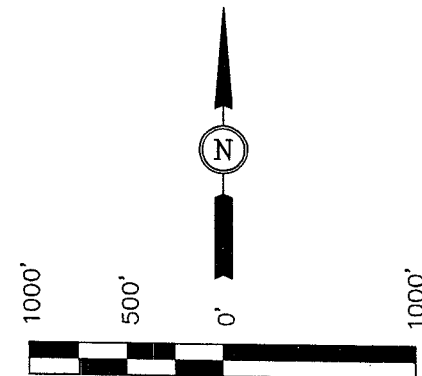
Well location, FEDERAL #1021-35K, located as shown in the NE 1/4 SW 1/4 of Section 35, T10S, R21E, S.L.B.&M., Uintah County, Utah.

#### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

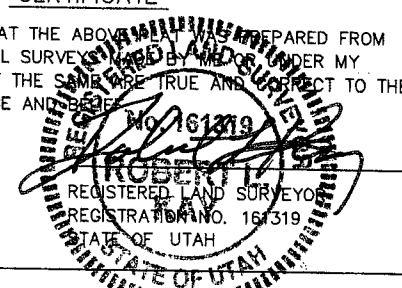
#### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



#### SCALE CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



T10S

T11S

1977 Brass Cap,  
1.0' High, Pile  
of Stones

S89°57'01"E  
1334.25' (Meas.)

S89°58'56"E  
1333.12' (Meas.)

1977 Brass Cap,  
0.4' High, Pile  
of Stones

S89°53'07"E  
1332.06' (Meas.)

S89°43'42"E  
1354.05' (Meas.)

1977 Brass Cap,  
0.4' High, Pile  
of Stones

#### LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°54'04.46" (39.901239)

LONGITUDE = 109°31'13.81" (109.520503)

(NAD 27)

LATITUDE = 39°54'04.58" (39.901272)

LONGITUDE = 109°31'11.34" (109.519817)

FEDERAL #1021-35K

Elev. Ungraded Ground = 5449'

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-18-06	DATE DRAWN: 09-29-06
PARTY D.K. M.B. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr McGee Oil & Gas Onshore LP	

**FEDERAL 1021-35K  
NE/SW SEC. 35, T10S, R21E  
UINTAH COUNTY, UTAH  
UTU-02277-B**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	953'
Top of Birds Nest Water	1229'
Mahogany	1739'
Wasatch	4064'
Mesaverde	6716'
MVU2	7700'
MVL1	8289'
TD	8810'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	953'
	Top of Birds Nest Water	1229'
	Mahogany	1739'
Gas	Wasatch	4064'
Gas	Mesaverde	6716'
Gas	MVU2	7700'
Gas	MVL1	8289'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8810' TD, approximately equals 5462 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3524 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*

KERR-McGEE OIL & GAS ONSHORE LP  
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	January 11, 2007	
WELL NAME	FEDERAL 1021-35K	TD	8,810'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE Utah
ELEVATION	5,449'	GL	KB	5,464'
SURFACE LOCATION	NESW SEC. 35, T10S, R21E 1677'FSL, 2110'FWL			BHL Straight Hole
	Latitude: 39.901239	Longitude: 109.520503		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.			

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,064'					
	Green River @	0,953'			
	Top of Birds Nest Water @	1229'			
	Mahogany @	1,739'			
	Preset f/ GL @				
		1,900' MD			
Note: 12.25" surface hole will usually be drilled $\pm 400'$ below the bottom of lost circulation zone. Drilled depth may be $\pm 200'$ of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.3 ppg
	Wasatch @	4,064'			
	Mverde @	6,716'			
	MVU2 @	7,700'			
	MVL1 @	8,289'			
	TD @	8,810'			Max anticipated Mud required 11.3 ppg



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1900	32.30	H-40	STC	0.70*****	1.54	4.73
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8810	11.60	I-80	LTC	2.40	1.23	2.25

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)  
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 11.3 ppg) .22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
 MASP 3239 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			NOTE: If well will circulate water to surface, option 2 will be utilized				
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,560'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,250'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1470	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

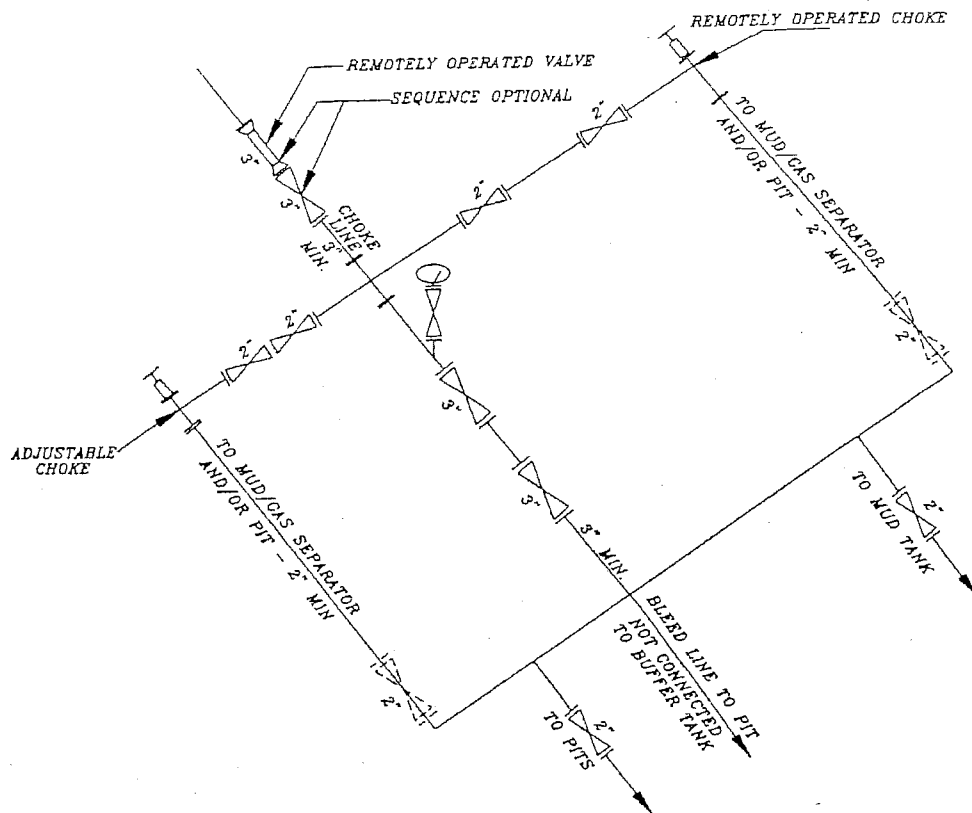
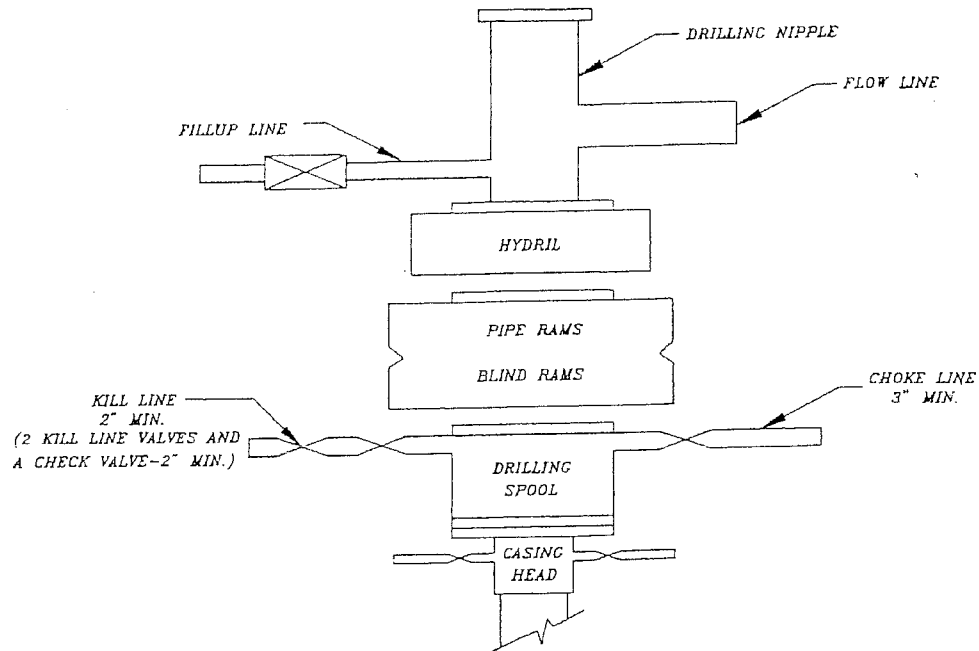
DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT:

Randy Bayne

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



FEDERAL 1021-35K  
NE/SW SEC. 35, T10S, R21E  
UINTAH COUNTY, UTAH  
UTU-02277-B

ONSHORE ORDER NO. 1

*MULTI-POINT SURFACE USE & OPERATIONS PLAN*

1. **Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

The operator will utilize the existing access road. Refer to Topo Map B.

The operator shall call LEXCO, before blasting location. Close proximity to gilsonite mine.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.



4. **Location of Existing & Proposed Facilities & Pipelines:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

**Variances to Best Management Practices (BMP) Requests:**

Approximately 25' +/- of 4" and approximately 782' +/- of 4" re-route pipeline and approximately 681' +/- of 4" re-route steel pipelines is proposed from the location. The pipeline shall be installed on surface within access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

*Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for drilled seeds are:

No seed mix specified on the on-site inspection notes.

The operator shall call BLM for the seed mixture when final reclamation occurs.

**11. Surface Ownership:**

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400

**12. Other Information:**

A Class III Archaeological Survey has been performed and completed and will be submitted when the Archaeological Survey Report is received when the report is received by our office.

The Paleontological Reconnaissance Survey has been performed and completed on November 1, 2006 the Paleontological Reconnaissance Survey Report No. 06-316. These reports are being submitted along with the Application for Permit to Drill (APD).

**WILDLIFE STIPUATIONS:**

**ANTELOPE:** No construction or drilling May 15<sup>th</sup> – June 20<sup>th</sup>.

**SAGE GROUSE:** No construction or drilling March 15<sup>th</sup> or June 14<sup>th</sup>.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

13. **Lessee's or Operators's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

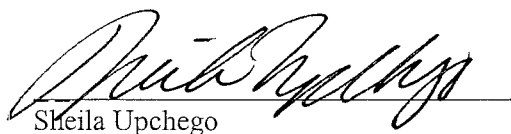
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

January 11, 2007  
Date

# Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1021-35K

SECTION 35, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-36M TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.4 MILES.

# Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1021-35K

LOCATED IN UTAH COUNTY, UTAH

SECTION 35, T10S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

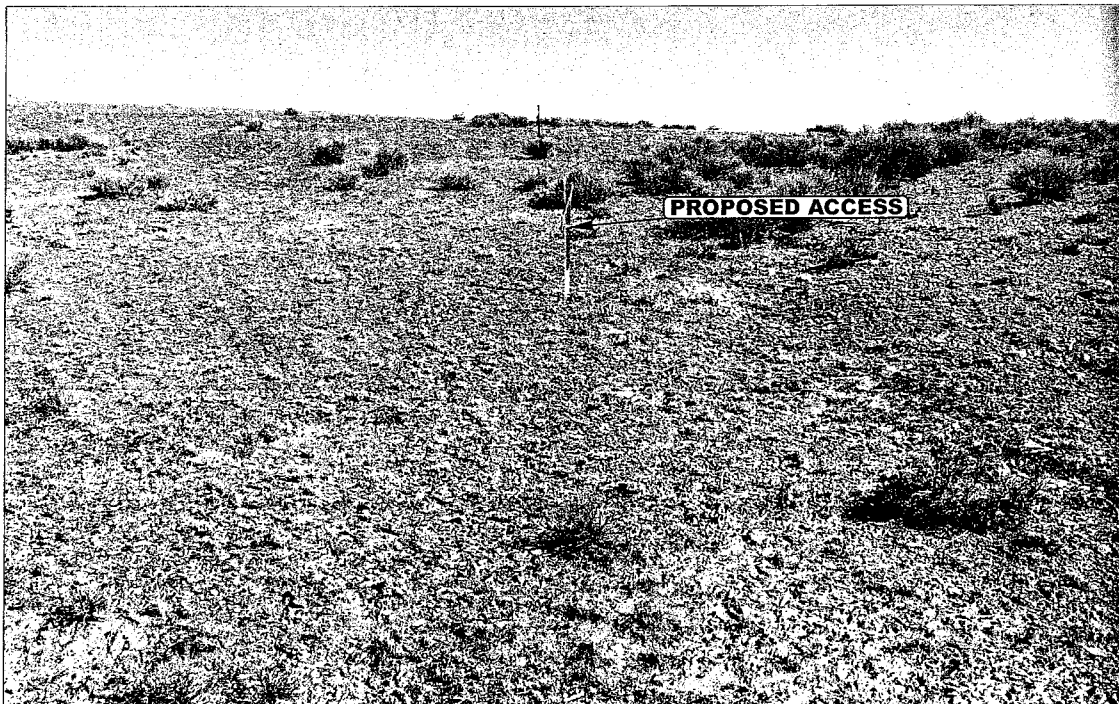


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

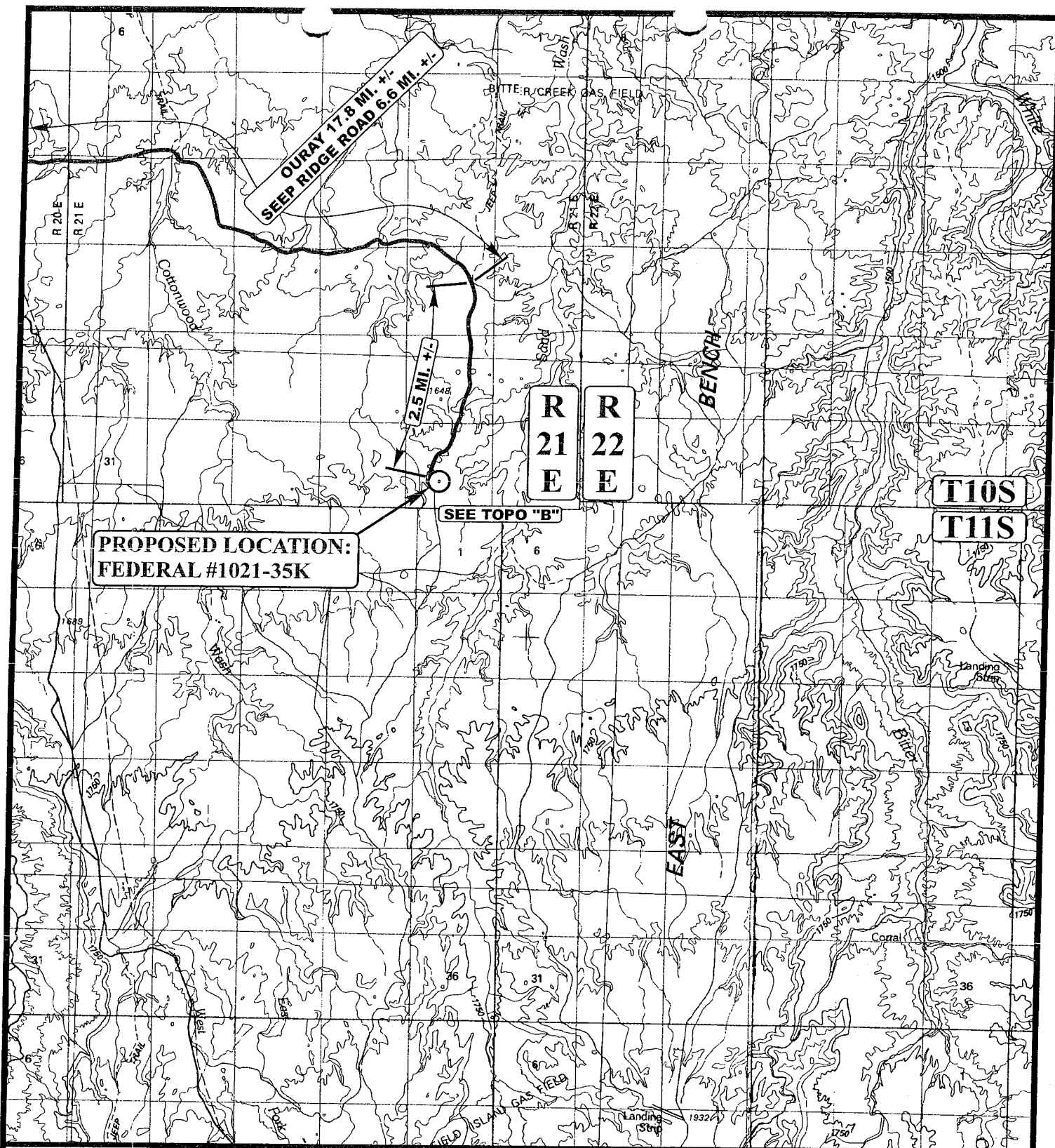
09 28 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 00-00-00



# **LEGEND:**

⊙ PROPOSED LOCATION

**Kerr-McGee Oil & Gas Onshore LP**

**FEDERAL #1021-35K**

**SECTION 35, T10S, R21E, S.L.B.&M.**

**1677' FSL 2110' FWL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



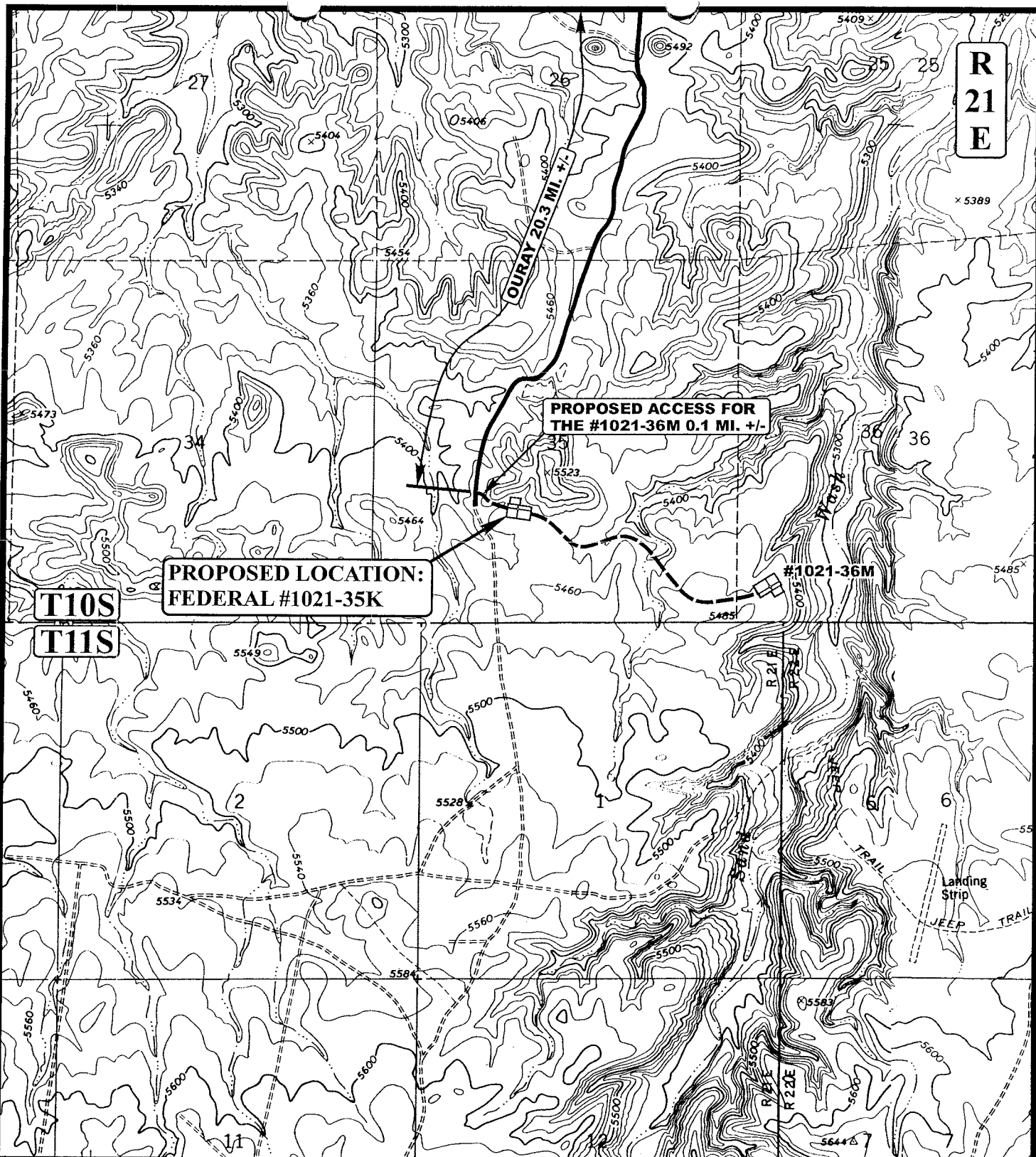
**TOPOGRAPHIC  
MAP**

**09 28 06**  
MONTH DAY YEAR

**SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00**







# **LEGEND:**

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD



**Kerr-McGee Oil & Gas Onshore LP**

**FEDERAL #1021-35K**  
**SECTION 35, T10S, R21E, S.L.B.&M.**  
**1677' FSL 2110' FWL**



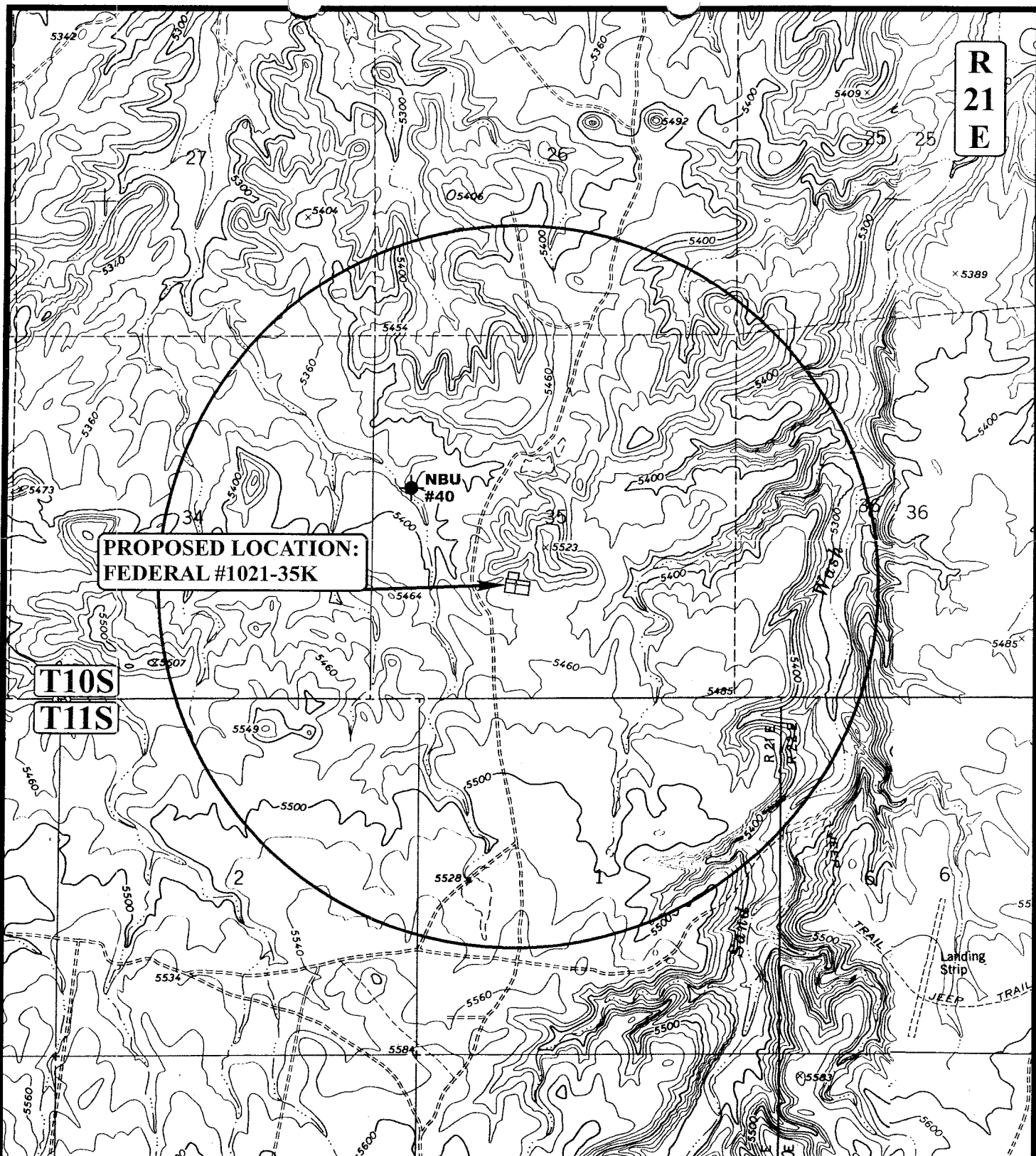
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**09** **28** **06**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

**B**  
**TOPO**



# **LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ⊗ WATER WELLS           |
| ● PRODUCING WELLS | ⊕ ABANDONED WELLS       |
| ⊖ SHUT IN WELLS   | ⊙ TEMPORARILY ABANDONED |



**Kerr-McGee Oil & Gas Onshore LP**

**FEDERAL #1021-35K**  
**SECTION 35, T10S, R21E, S.L.B.&M.**  
**1677' FSL 2110' FWL**



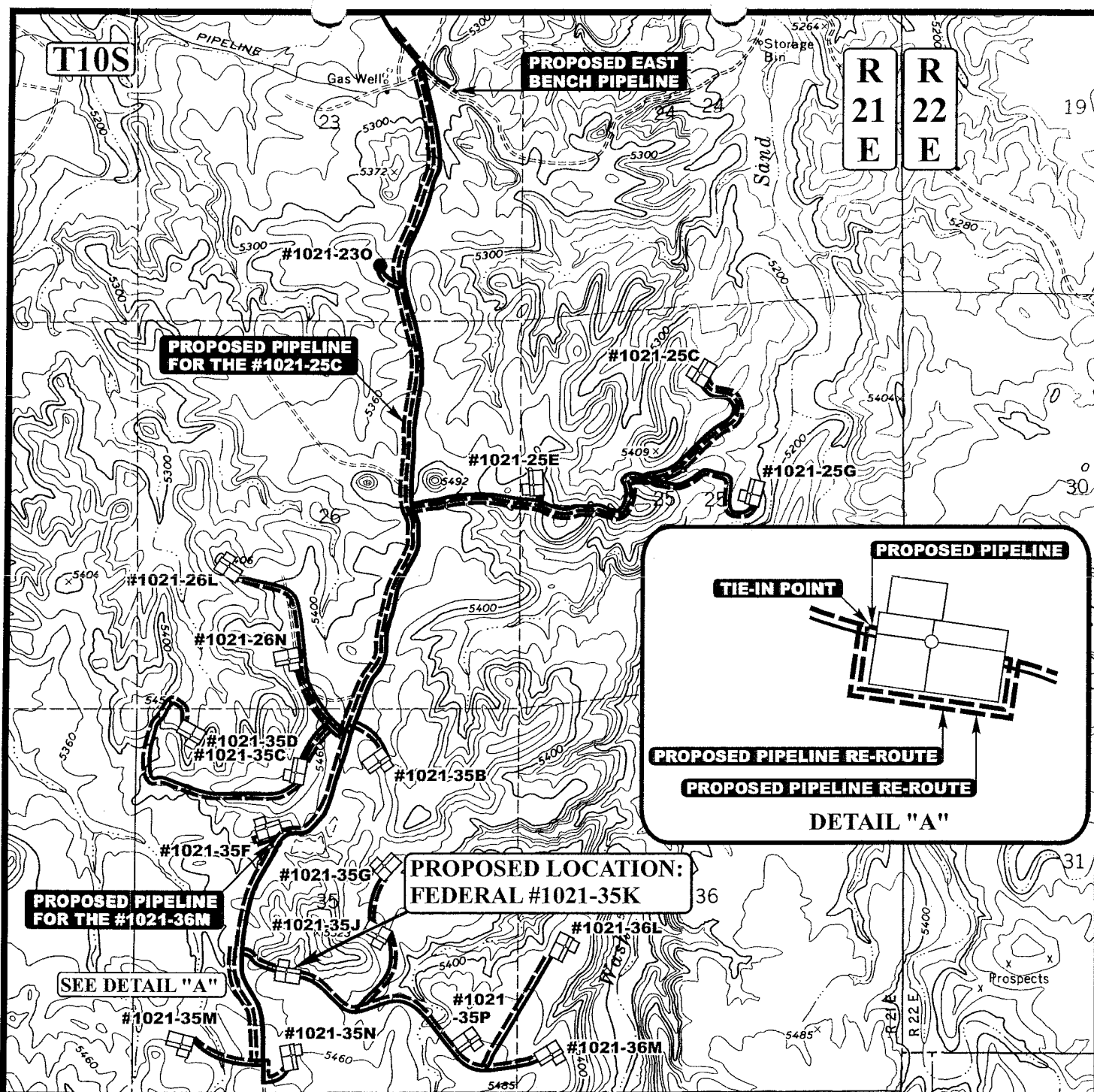
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**09 28 06**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 782' +/-

APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 681' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 25' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1021-35K

SECTION 35, T10S, R21E, S.L.B.&M.

1677' FSL 2110' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

09 28 06  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

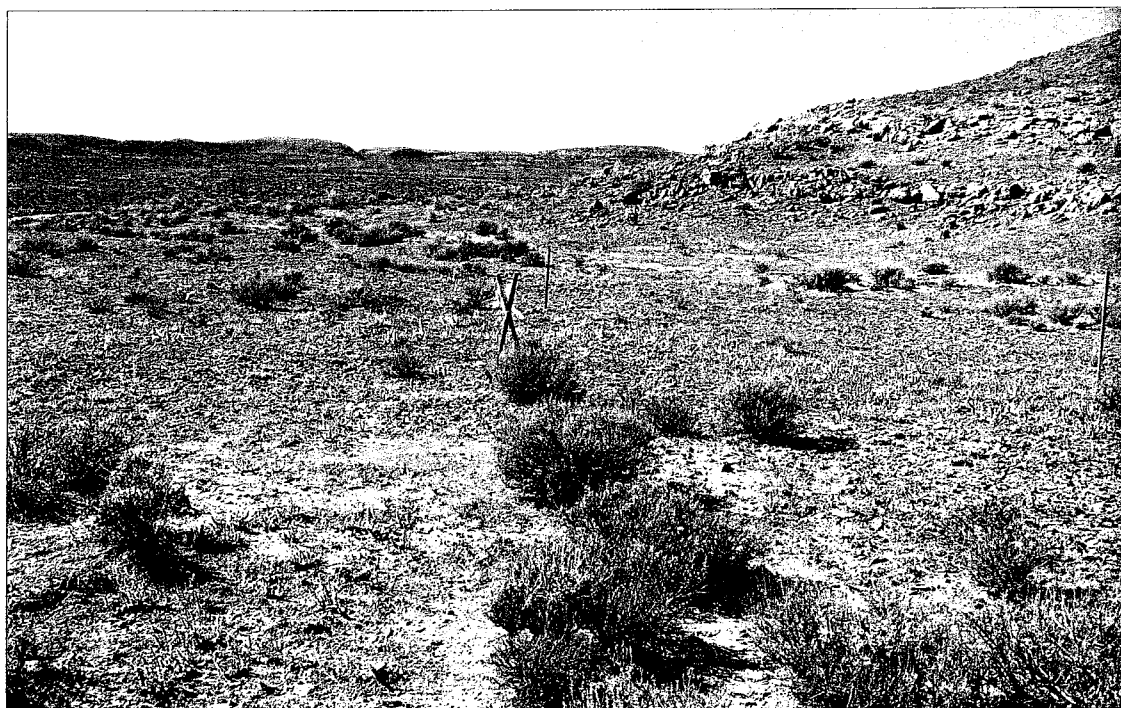


**Kerr-McGee Oil & Gas Onshore LP**  
**FEDERAL #1021-35K**  
PIPELINE ALIGNMENT  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 35, T10S, R21E, S.L.B.&M.**



**PHOTO: VIEW FROM TIE-IN POINT**

**CAMERA ANGLE: WESTERLY**



**PHOTO: VIEW OF PIPELINE ALIGNMENT**

**CAMERA ANGLE: WESTERLY**



- Since 1964 -

**U E L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**PIPELINE PHOTOS**

**09 28 06**  
MONTH DAY YEAR

**PHOTO**

**TAKEN BY: D.K.**

**DRAWN BY: C.P.**

**REVISED: 00-00-00**

LOCATION LAYOUT FOR  
FEDERAL #1021-35K  
SECTION 35, T10S, R21E, S.L.B.&M.  
1677' FSL 2110' FWL |

C-1.5'  
El. 49.2'

Sta. 3+50

SCALE: 1" = 50'  
DATE: 09-29-06  
Drawn By: C.H.  
REV: 12-14-06

Topsoil Stockpile Approx.  
Top of  
Cut Slope

**NOTE:**

Flare Pit is to be located  
a min. of 100' from the  
Well Head.

Reserve Pit Backfill  
& Spoils Stockpile

El. 52.3<sup>+</sup>

C-14.6'  
(btm. pit) | C

**D**  $C-3.6'$   
 $EI. 51.3'$

C-1.6'  
El. 49.3'

Sta. 1+50

$F-0.8'$   
El. 46.9'

TOILET

## TRAILER

WATER  
TANK

Topsoil Stockpile

Sta. 0+00

$F-3.1'$   
 $FL. 44.6'$

El. 44.8'  
C-7.1  
(btm. pit)

*F-3.8*  
*El. 43.9*

Sta. 0+50  
Proposed Access  
Road for #1021-36M

F-4.3'  
El. 43.4'

F-3.9'  
FL 4.3.8'

Approx.  
Toe of  
Fill Slope

**FIGURE #1**

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5449.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5447.7'

CONSTRUCT  
DIVERSION  
DITCH

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

## TYPICAL CROSS SECTIONS FOR

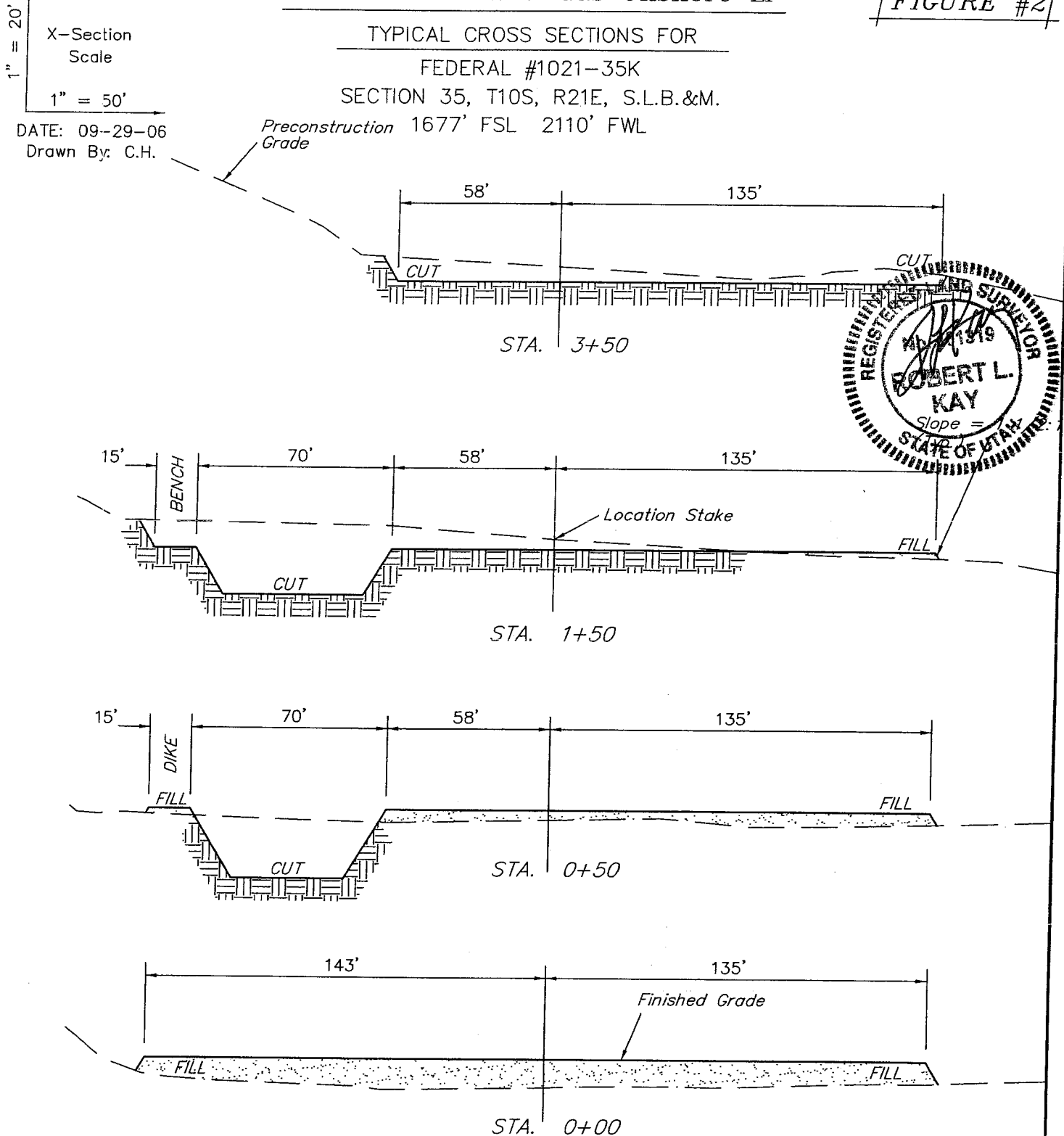
FEDERAL #1021-35K

SECTION 35, T10S, R21E, S.L.B.&amp;M.

DATE: 09-29-06

Drawn By: C.H.

Preconstruction 1677' FSL 2110' FWL



## APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,690 Cu. Yds.
Remaining Location	= 4,710 Cu. Yds.
TOTAL CUT	= 6,400 CU.YDS.
FILL	= 3,320 CU.YDS.

EXCESS MATERIAL	= 3,080 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,080 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/16/2007

API NO. ASSIGNED: 43-047-38974

WELL NAME: FEDERAL 1021-35K

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NESW 35 100S 210E

SURFACE: 1677 FSL 2110 FWL

BOTTOM: 1677 FSL 2110 FWL

COUNTY: UINTAH

LATITUDE: 39.90126 LONGITUDE: -109.5198

UTM SURF EASTINGS: 626537 NORTHINGS: 4417636

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-02277-B

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 43-8496 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit: \_\_\_\_\_

\_\_\_ R649-3-2. General

☒ Siting: 460 From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception

\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1- Lease Approval  
2- Spacing Strip



# NATURAL BUTTES UNIT

T10S R21E

FEDERAL  
1021-35D

FEDERAL  
1021-35C

FEDERAL  
1021-35B

NBU 60

FEDERAL  
1021-35A

## NATURAL BUTTES FIELD

NBU 40

FEDERAL  
1021-35G

STATE  
1021-36E

FEDERAL  
1021-35H

FEDERAL  
1021-35L

35

FEDERAL  
1021-35J

FEDERAL  
1021-35K

FEDERAL  
1021-35I

FEDERAL  
1021-35M

FEDERAL  
1021-35N

FEDERAL  
1021-35P

T11S R21E

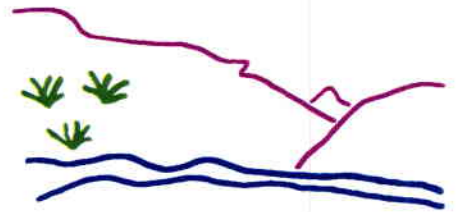
OPERATOR: KERR MCGEE O&G (N2995)

SEC: 35 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 19-JANUARY-2007

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERML  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

**Wells Status**  
 [ ] GAS INJECTION  
 [ ] GAS STORAGE  
 [ ] LOCATION ABANDONED  
 [ ] NEW LOCATION  
 [ ] PLUGGED & ABANDONED  
 [ ] PRODUCING GAS  
 [ ] PRODUCING OIL  
 [ ] SHUT-IN GAS  
 [ ] SHUT-IN OIL  
 [ ] TEMP. ABANDONED  
 [ ] TEST WELL  
 [ ] WATER INJECTION  
 [ ] WATER SUPPLY  
 [ ] WATER DISPOSAL  
 [ ] DRILLING





Kerr-McGee Oil & Gas OnShore LP  
1999 Broadway, Suite 3700, Denver, Colorado 80202  
303-296-3600 • Fax 303-296-3601

January 26, 2007

Ms. Diana Mason  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: Federal 1021-35K  
T10S-R21E  
Section 35: NESW  
1677' FSL, 2110' FWL  
Uintah County, Utah

Dear Ms. Mason:

Kerr-McGee Oil & Gas Onshore LP, formerly known as Westport Oil and Gas Company, L.P., has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to State Rule 649-3-2 (State Wide). The well location was moved for topographic reasons. Kerr-McGee owns 100% of the leasehold within 460 feet of the exception location of the offset lands and has no objection to the exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions, call me at 720-264-2618. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'W. Chris Latimer'.

W. Chris Latimer, CPL  
Senior Landman

cc: Raleen White

RECEIVED

JAN 31 2007

DIV. OF OIL, GAS & MINING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

January 31, 2007

Kerr-McGee Oil & Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Federal 1021-35K Well, 1677' FSL, 2110' FWL, NE SW, Sec. 35, T. 10 South,  
R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38974.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor (via e-mail)  
Bureau of Land Management, Vernal District Office

**Operator:** Kerr-McGee Oil & Gas Onshore LP  
**Well Name & Number** Federal 1021-35K  
**API Number:** 43-047-38974  
**Lease:** UTU-02277-B

**Location:** NE SW                      **Sec.** 35                      **T.** 10 South                      **R.** 21 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

January 29, 2008

Sheila Upchego  
Kerr McGee O&G Onshore LP  
1368 South 1200 East  
Vernal UT 84078

43-047 38974  
10S 21E 35

Re: APDs Rescinded at the request of Kerr-McGee O&G Onshore LP

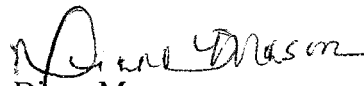
Dear Ms. Upchego:

Enclosed find the list of APDs that you requested to be rescinded to Kerr-McGee O&G Onshore LP. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective January 28, 2008.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal



Federal 1021-35N	Sec 35-T10S-R21E 43-047-38934
Federal 1021-35L	Sec 35-T10S-R21E 43-047-38936
Federal 1021-35D	Sec 35-T10S-R21E 43-047-38939
Federal 1021-35M	Sec 35-T10S-R21E 43-047-38973
Federal 1021-35K	Sec 35-T10S-R21E 43-047-38974
Federal 1021-35J	Sec 35-T10S-R21E 43-047-38975
Federal 1021-35C	Sec 35-T10S-R21E 43-047-38977
Federal 1021-35B	Sec 35-T10S-R21E 43-047-38978
Love 1121-17D	Sec 17-T11S-R21E 43-047-38979
Bonanza 1023-12G	Sec 12-T10S-R23E 43-047-38814
NBU 1022-34G	Sec 34-T10S-R22E 43-047-38806
NBU 1021-12I	Sec 21-T10S-R21E 43-047-37435
NBU 1021-21K	Sec 21-T10S-R21E 43-047-37437
Archee 1-201	Sec 01-T09S-R20E 43-047-37731